

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-009966

(43)Date of publication of application : 16.01.1996

(51)Int.Cl.

C12N 5/06

(21)Application number : 06-149556

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(22)Date of filing : 30.06.1994

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(54) METHOD FOR TRANSPORTING ANIMAL CELL

(57)Abstract:

PURPOSE: To improve a survival ratio of animal cells maintaining their functions without using a specific device by embedding a mass of the animal cells in a specific colloid solution after forming the mass of the cells, keeping the solution at a predetermined temperature and efficiently transporting the animal cells.

CONSTITUTION: This method for efficiently transporting animal cells is to form a gel layer of collagen such as type 1 collagen having no telopeptide, culture the animal cells such as primary cultured hepatic cells or primary cultured mammary gland cells to form a mass of the cells, embed the mass of the cells in a specific colloid solution and transport the embedded cells by keeping them in a temperature range in which the colloidal solution exists as a gel state. The colloidal solution has the following specific characteristics; the solution becomes a sol state by heating and a gel state by cooling, contains gelatin as a main component in the concentration range of 1-20 % and has the transformation temperature between the sol state and the gel state in the range of 4-39° C.

LEGAL STATUS

[Date of request for examination] 28.11.2000

[Date of sending the examiner's decision of rejection] 19.12.2003

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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